APPLICATION FOR UNITED STATES PATENT Declaration for Patent Application

As a below named inventor, I hereby declare that:

My	residence,	post office address and citizenship are as stated below next to my name.
- 4		TOTAL TOTAL DELICATION TO THE HEALTH.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: 1 CONSTELLATION REARRANGEMENT FOR ARQ TRANSMIT DIVERSITY SCHEMES the specification of which

2 (file no. L7725.06106)

he specification	ot which			A CEL THEAT A TO		<u>SCHEMES</u>
check at least on	e)	3 [] is attache	ed hereto	2 (file no. <u>L7725.0410</u>	<u>)6</u>)	
	,			s (5) U.S. Application S	1 13.	
		6[] and was	amended on	s (3) U.S. Application S	Senal No	
				Ge? or	pplicable)	
Use this portion		was filed as PC	CT international app	liention (L. a	ppiicable)	
only if you are enter the U.S. National ph	ing o		EP2002/011694	nication		
based on a PCT	9	on October 18.	2002			
International Application		and was amend	ded under PCT Arti	cle(s) 19 and/or 34		
designating the U.S.	10	on				_(if applicable).
I hereby	declare the	at I have reviewed	and understand the	contents of the above-i	dentified speci	fication includir
	оч, ој шку	amonumich icicii	น เก มกดงค			
I acknow	wledge the	duty to disclose to	the United States B	atent and Trademark O	ffice all inform	ation known to
1 11C1 CD 9	Ciailli Iul	sign orioniv neneti	TC IIMAAr Titla 35 TT	mitad Cass- Cada City		foreign andlines
America filed by	me on the	same subject matte	r having a filing da	te earlier than that of th	a application (-	une United States
claimed.		· ·	gg	to control dimi mut () ()	e application(s	on which prion
Prior (Foreign) A	pplication	(s) any Priority Cla	ims Under 35 U.S.(2. 119 or 365	D.	iority Claimed
					<u></u>	iority Claimed
						f 2 f 1
(Countr	y)		(Number)	(Day/Month/)	Year Filed)	[] []
(Country	y)		(Number)	(Day/Month/	(ear Filed)	Yes No
(Countr	у)		(Number)	(Day/Month/	Year Filed)	
(Countr						Yes No
(Country	у)		(Number)	(Day/Monta/)	(car Filed)	Yes No [] [] Yes No
(Country	у)	lication numbers a	(Number)	(Day/Monta/)	(car Filed)	Yes No [] [] Yes No
(Countr	y) Toreign app		(Number) re listed on a supple	(Day/Mont 1/) emental priority data sh	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional f	y) Toreign app	Provisional Applic	(Number) re listed on a supple	(Day/Mont 1/)	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional f	y) Toreign app	Provisional Applic	(Number) re listed on a supple	(Day/Mont 1/)	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional f	y) Toreign app		(Number) re listed on a supple	(Day/Mont 1/)	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional f	y) Toreign app	Provisional Applic	(Number) re listed on a supple	(Day/Mont 1/)	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional f	y) Toreign app	Provisional Applic	(Number) re listed on a supple	(Day/Mont 1/)	Year Filed) eet attached he	Yes No [] [] Yes No
(Country) Additional for Claim(s) 119(e) of any Ur	y) Foreign app From U.S. nited State	Provisional Applic s provisional applic	(Number) re listed on a supple ation(s) - I hereby c cation(s) listed belo	(Day/Mont n/) emental priority data she claim the benefit under ' w:	Year Filed) eet attached he Title 35, United	Yes No [] [] Yes No reto. I States Code,
(Country) Additional for Claim(s) 119(e) of any Un	y) Foreign app from U.S. hited State	Provisional Applics s provisional applic	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below	(Day/Mont a/) emental priority data she claim the benefit under ' w:	Year Filed) eet attached he	Yes No [] [] Yes No reto. d States Code,
(Country) Additional for Claim(s) 119(e) of any Un	y) Foreign app from U.S. hited State	Provisional Applics s provisional applic	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below	(Day/Mont a/) emental priority data she claim the benefit under ' w:	Year Filed) eet attached he	Yes No [] [] Yes No reto. d States Code,
(Country) Additional for Priority Claim(s) 119(e) of any Un Application No. Additional p	y) Foreign app From U.S. hited State	Provisional Applics s provisional applic Day/Month/Year F application numbe	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below. Filed ers are listed on a supple street.	(Day/Mont n/) emental priority data she claim the benefit under ' w: Application No. applemental priority data	Year Filed) eet attached he Title 35, United Day/Monta sheet attached	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto.
(Country) Additional for Claim(s) 119(e) of any Un Application No. Additional p	y) Foreign app from U.S. hited State provisional	Provisional Applic s provisional applic Day/Month/Year F application numbe	(Number) re listed on a supple station(s) - I hereby cation(s) listed below the station and the state of the	(Day/Mont a/) emental priority data she claim the benefit under ' w: Application No. pplemental priority (late	Year Filed) eet attached he Title 35, United Day/Monta sheet attached	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto.
(Country (Country) Additional for Claim(s) 119(e) of any Use Application No. Additional properties to identify a PCT 35.	y) Foreign appropriate of State Provisional There United State	Provisional Applics s provisional applic Day/Month/Year F application numbe	(Number) re listed on a supple sation(s) - I hereby cation(s) listed below the sation and the same listed on a sum of the same listed on a su	(Day/Mont n/) emental priority data she claim the benefit under w: Application No. applemental priority data	Year Filed) eet attached he Title 35, United Day/Mon a sheet attached	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. on(s) or under Title
(Country (Country) Additional for Claim(s) 119(e) of any Use (Country) Application No. Additional profiles (Country) Da not use this portion to identify a PCT 35, below the second of the below of the second of the below of the second of the below of the second of the seco	from U.S. nited State provisional Thee United State	Provisional Applics s provisional applic Day/Month/Year F application numbe eby claim the benefit of s Code, 365 of any Po	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below the same listed on a sum and at title 35, United S T international applicant	(Day/Mont n/) emental priority data she claim the benefit under w: Application No. applemental priority data taxes Code, 120 of any Unite taxes Code, 120 of any Unite taxes Code, 120 of any Unite	Year Filed) eet attached he Title 35, United Day/Mon a sheet attached	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. on(9) or under Title a that is/src listed
(Country (Country) Additional for Priority Claim(s) 119(e) of any Un Application No. Additional profile portion to identify a PCT application in the private app	from U.S. nited State provisional I her United State United State blication (s) in	Provisional Applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u s Code, 365 of any PC far as the subject mater the manner provided.	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below the same listed on a sum are li	(Day/Mont n/) emental priority data she claim the benefit under w: Application No. applemental priority data taxes Code, 120 of any Unite iton(s) designating the Ur ite of this application is not disc	Cear Filed) eet attached he Title 35, United Day/Mon a sheet attached d States of Americalosed in that/those	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. con(s) or under Title cat that is/are listed con(s) prior
(Country Additional f Priority Claim(s) 119(e) of any Un Application No. Additional p Da nat use this portion to idensify a PCT application if the U.S. National phase of the PCT Use National phase of the PCT	y) from U.S. nited State provisional United State United State wand, inso lication(s) ir close to the U	Provisional Applic s provisional applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u s Code, 365 of any PC far as the subject matte the manner provided t linted States Patent and	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below the cation and the cation and the cation are listed on a supple at the cation and the cation are of each of the claims by the first paragraph of Trademark Office all	(Day/Mont a/) emental priority data she claim the benefit under ' w: Application No. applemental priority data ion(s) designating the Urite of this application is not disc Title 35, United States (Sed information known to me to	Day/Mon a sheet attached d States application d States of Americal control of the state of the s	Yes No [] [] Yes No reto. di States Code, th/Year Filed di hereto. on(s) or under Title a that is/sre listed e prior edge the duty to
(Country Additional f Priority Claim(s) 119(e) of any Un Application No. Additional p Da nat use this portion to idensify a PCT application if the U.S. National phase of the PCT Use National phase of the PCT	y) from U.S. nited State provisional United State United State wand, inso lication(s) ir close to the U	Provisional Applic s provisional applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u s Code, 365 of any PC far as the subject matte the manner provided t linted States Patent and	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below the cation and the cation and the cation are listed on a supple at the cation and the cation are of each of the claims by the first paragraph of Trademark Office all	(Day/Mont a/) emental priority data she claim the benefit under ' w: Application No. applemental priority data ion(s) designating the Urite of this application is not disc Title 35, United States (Sed information known to me to	Day/Mon a sheet attached d States application d States of Americal control of the state of the s	Yes No [] [] Yes No reto. di States Code, th/Year Filed di hereto. on(s) or under Title a that is/sre listed e prior edge the duty to
(Country Additional f Priority Claim(s) 119(e) of any Us Application No. Additional p Da nat use this portion to identify PCT spplication is the U.S. National phase of the PCT application and	y) from U.S. nited State provisional United State United State wand, inso lication(s) ir close to the U	Provisional Applic s provisional applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u s Code, 365 of any PC for as the subject matte the manner provided it the manner provided it	(Number) re listed on a supple ation(s) - I hereby cation(s) listed below the cation and the cation and the cation are listed on a supple at the cation and the cation are of each of the claims by the first paragraph of Trademark Office all	(Day/Mont a/) emental priority data she claim the benefit under ' w: Application No. applemental priority data ion(s) designating the Urite of this application is not disc Title 35, United States (Sed information known to me to	Day/Mon a sheet attached d States application d States of Americal control of the state of the s	Yes No [] [] Yes No reto. di States Code, th/Year Filed di hereto. on(s) or under Title a that is/sre listed e prior edge the duty to
(Country Additional f Priority Claim(s) 119(e) of any Un Application No. Additional p Da nat use this portion to idensify a PCT application if the U.S. National phase of the PCT Use National phase of the PCT	from U.S. nited State rovisional I her United State wand, inso lication(s) in- close to the United in Title the netional	Provisional Applic s provisional applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u s Code, 365 of any PC far as the subject mane the manner provided t inited States Patent and 37, Code of Federal Re or PCT international fi	(Number) re listed on a supple sation(s) - I hereby cation(s) listed below the same listed on a sum of the same same same listed on a sum of the same same same same same same same sam	(Day/Mont a/) emental priority data she claim the benefit under w: Application No. applemental priority data tates Code, 120 of any Unite ton(s) designating the Ur ite of this application is not disc Title 35, United States Cod information known to me to became available between fution.	Day/Mon a sheet attached of States applicated States of Americales and in that/those be material to patiling date of the public	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. on(s) or under Title a that is/sre listed prior edge the duty to entability as rior application
(Country Additional f Priority Claim(s) 119(e) of any Us Application No. Additional p Da nat use this portion to identify PCT spplication is the U.S. National phase of the PCT application and	from U.S. nited State rovisional I her United State United State ilication(s) in close to the United in Title the neational	Provisional Applic s provisional applic s provisional applic s provisional applic Day/Month/Year F application numbe eby claim the benefit u se Code, 365 of any PC far as the subject mane the manner provided t inited States Patent and 37, Code of Federal Re or PCT international fi	(Number) re listed on a supple sation(s) - I hereby cation(s) listed below the same listed on a sum of the same same same listed on a sum of the same same same same same same same sam	(Day/Mont a/) emental priority data she claim the benefit under w: Application No. applemental priority data tates Code, 120 of any Unite ton(s) designating the Ur ite of this application is not disc Title 35, United States Cod information known to me to became available between fution.	Day/Mon a sheet attached of States applicated States of Americales and in that/those be material to patiling date of the public	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. on(s) or under Title a that is/sre listed prior edge the duty to entability as rior application
(Country Additional f Priority Claim(s) 119(e) of any Us Application No. Additional p Da nat use this portion to identify PCT spplication is the U.S. National phase of the PCT application and	from U.S. nited State rovisional Ther United State United State ow and, inso lication(s) ir close to the U ned in Title the national	Provisional Applic s provisional applic s provisional applic s provisional applic provisional applic application numbe application numbe application numbe as Code, 365 of any PC far as the subject matte the manner provided t linted States Patent and 37, Code of Federal Re or PCT international fi	(Number) re listed on a supple ation(s) - I hereby cation(s) listed belocation(s) listed belocation(s) listed on a sum of the claims of each of the claims by the first paragraph of Trademark Office all igulations, §1.56 which liling date of this applications (Parent Filing	(Day/Mont a/) emental priority data she claim the benefit under ' w: Application No. applemental priority data ion(s) designating the Urite of this application is not disc Title 35, United States (Sed information known to me to	Day/Mona sheet attached her Day/Mona sheet attached States of Americales of the patiling date of the patiling date of the patiling date of the patiling abandoned	Yes No [] [] Yes No reto. d States Code, th/Year Filed d hereto. on(s) or under Title ca that is/are listed c prior edge the duty to contability as rior application

I hereby appoint the following attorneys of the firm of Stevens, Davis, Miller & Mosher, L.L.P. as my attorneys of record with full power of substitution and revocation to prosecute this application and to transact all business in the Anthony P. Venturino, Reg. No. 31674.

ALL CORRESPONDENCE IN CONNECTION WITH THIS APPLICATION SHOULD BE SENT TO STEVENS, DAVIS, MILLER & MOSHER, L.L.P., 1615 L Street, N.W., Suite 850, Washington, D.C. 200::6, TELEPHONE (202) 408-5100, FACSIMILE (202) 408-5200.



Ha

11b

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful statements may jeoperdize the validity of the application or any patent issuing thereon.

13a	Typewritten Full Name	Christian		WENGERTER
100	First Inventor	Given Name	Middle Nami:	Family Name
14a	Inventor's Signature	Christia.	Wee-	
16-	Date of Signature	<u></u> 09	15	2004
15 <u>n</u>	Dute of Signature	Month	Day	Year
1611	Residence	Kleinheubach City	State or Province	GERMANY Country
17a	Citizenship	GERMANY		
18a	Post Office Address (Insert complete mailing address, including country)	Bahnhofstraße 32 10 d D-63924 Kleinheubach GEI	RMANY	
13b	Typewritten Full Name Second Inventor	Alexander Given Name Middle Nam		EDLER VON ELBWART
14b	Inventor's Signature	- Alexande (Stolen Edy vo	n Elbert
156	Date of Signature	Month	. /5 Day	2004 Year
16b	Residence	<u>Darmstadt</u> City	OEX State or Province	GERMANY
176	Citizenship	GERMANY		
18b	Post Office Address (Insert complete mailing address, including country)	Wilhelminenstraße 32 D-64285 Darmstadt GERM	1ANY	
13c	Typewritten Full Name Third Inventor	Eiko Given Name	Middle Name	SEIDEL Family Numc
14c	Inventor's Signature	· Ciul	fucli-	
15c	Date of Signature	Month	V 15 Day	2004 Year
16c	Residence	Darmstadt City	State or Province	GERMANY Country
17c	Citizenship	GERMANY		
18c	Post Office Address (Insert complete mailing address, including country)	Moosbergstrasse 97 a-b D-64285 Darmstadt GER	MANY	

^{*}Note to Inventor: Please sign name on line 14 exactly as it appears in line 13 and insert the actual date of signing on line 15. If there are more than four inventors, please add a copy of this page for identification and signatures for the additional inventors.